



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/752,669 | 12/28/2000 | Jong-Seog Koh | 51876.P229 | 9384 |

8791 7590 03/12/2004

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025

EXAMINER

TSE, YOUNG TOI

| ART UNIT | PAPER NUMBER |
|----------|--------------|
|----------|--------------|

2634

DATE MAILED: 03/12/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/752,669

Applicant(s)

KOH, JONG-SEOG

Examiner

YOUNG T. TSE

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 28 December 0200.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 December 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority based on the applications filed in Republic of Korea on 12 February 2000 and 22 November 2000. It is noted, however, that applicant has not filed a certified copy of the 2000-6693 and 2000-64915 applications as required by 35 U.S.C. 119(b).

Drawings

2. Figures 1A and 1B should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Specification

3. Applicant is reminded of the proper language and format for an abstract of the disclosure.

The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. The form and legal phraseology often used in patent claims, such as "means" and "said," should be avoided. The abstract should describe the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

The abstract is too long which exceeds 150 words in length.

4. The disclosure is objected to because of the following informalities: on page 9, lines 3 and 7, "33" should be – 34 – and on page 14, line 19, "808" should be – 807 --. Appropriate correction is required.

Claim Objections

5. Claims 8-10 are objected to because of the following informalities: in claim 8, line 10, "compensation section" should be – compensation means --; wherein claim 9 is depended upon claim 8; in claim 10, line 5, "outputting motion a" should be – outputting a motion --. Appropriate correction is required.

Claim Rejections - 35 USC § 112

6. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1 (lines 15, 17, 22, and 26), claim 3 (line 4), claim 4 (line 2), claim 5 (lines 4-5), and claim 11 (lines 13-14 and 16), the phrases "the downward channel", "the upward channel", and "the upward/downward channels" all lack antecedent basis.

Wherein the dependent claims 2, 6-10 and 12 are directly or indirectly depended upon either claim 1 or claim 11.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art Figs. 1A and 1B of the instant application in view of Kim.

The prior art Fig. 1A shows two ADSL modems 12 and 13 for communication between a remote terminal 11 and a central office 14. The ADSL modem 12 transmits an upward transmission signal to the central office 14 and receives a downward transmission signal to the remote terminal 11, wherein the upward transmission signal has a lower transmission capacity than the downward transmission signal.

With respect to claims 1 and 11, the admitted prior art Fig. 1A fails to show or suggest that the upward transmission signal has a higher transmission capacity than the downward transmission signal. Applicant note although the prior art does not include the monitoring device for monitoring an object facility to be monitored and remotely monitored data processing circuits for monitoring motions of the object facility to be monitored as recited in claims 1 and 11 and other claimed subject matter recited in

claims 2-10 and 12 are well known to a person skill in a security or remote monitoring system.

Kim (U.S. Patent No. 6,108,034) discloses a remote image information monitor in Fig. 2 for monitoring a remote location in images, using an asymmetric high-speed or ADSL data modem 282-284 or 206-212.

Referring to Fig. 2, the remote image information monitor comprises a plurality of remote devices 200 and 201 installed at a remote location, for monitoring the remote location, and a toll center 280 for selecting one of the plurality of remote devices 200 and 201 and receiving image information from the selected remote device.

Kim teaches that the ADSL is a transmission technology used for providing a video signal through a conventional telephone line in a video-on-demand service which uses asymmetry because the downstream channel transferred from a video server to a subscriber line has a much larger bandwidth (channel capacity) than the upstream channel transferred from the subscriber line to the video server. Col. 2, lines 38-46.

Therefore, it would have been obvious to one of ordinary skill in the art to transmit the upward transmission signal from the ADSL modem 12 has a higher transmission capacity than the downward transmission signal transmitted from the ADSL modem 13 in the prior art Fig. 1A as taught by Kim in order to save power on the downward channel for transmitting data information from the central office 14 to the remote terminal 11.

Conclusion

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Maresca discloses a system for sending and receiving full motion, live, full duplex video of broadcast quality over existing telephone lines.

Watkins discloses a server for providing personal computer functionality to a user at a multimedia terminal processes commands from the user.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Young Tse** whose telephone number is **(703) 305-4736**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Stephen Chin**, can be reached at **(703) 305-4714**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

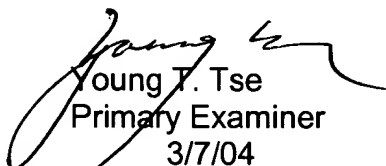
or faxed to:

(703) 872-9306

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Art Unit: 2634

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.


Young T. Tse
Primary Examiner
3/7/04